



# Gunner's Mate

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Although the words "he," "him," and "his" are used sparingly in this manual to enhance communication, they are not intended to be gender driven nor to affront or discriminate against anyone reading this text.

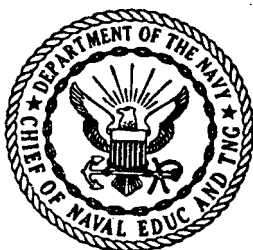
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# **GUNNER'S MATE**

**NAVEDTRA 12443**



*1996 Edition Prepared by  
GMC Jim Bomar, GMC Roger Null  
and GMC Jerry Wallace*





# **PREFACE**

This training manual (TRAMAN) and its companion nonresident training courses (NRTC), NAVEDTRA 82443 (for GM 1&C) and NAVEDTRA 72443 (for GM 3&2), form a self-study package that will aid Gunner's Mates in fulfilling the requirements of their rate. This package may be combined with on-the-job training to provide the necessary elements of practical experience and observation of techniques demonstrated by more senior Gunner's Mates.

Designed for individual study and not formal classroom instruction, this TRAMAN provides subject matter that relates directly to the occupational standards of the Gunner's Mate rating. Learning objectives are included in each chapter to orient the student to the primary subject matter. Completion of the NRTC is the usual way to satisfy the requirement to complete the TRAMAN. Assignments in the NRTC have supporting questions to help the student learn the materials in the TRAMAN.

## **SCOPE OF REVISION**

This TRAMAN consolidates previously published materials from the merged Gunner's Mate Guns (GMG) and missiles (GMM) ratings. Information on obsolete equipment and systems has been deleted and new information has been added. The Gunner's Mate merger and this TRAMAN/NRTC product make all previously published GMG and GMM TRAMANS and their associated NRTCs obsolete.

This TRAMAN was prepared by the Naval Education and Training Professional Development and Technology Center, Pensacola, Florida, for the Chief of Naval Education and Training. Technical assistance was provided by Naval Sea Systems Command, Washington, D. C.; Naval Ship Weapons System Engineering Station, Port Hueneme, California Gunner's Mate School, Great Lakes, Illinois, Damneck Virginia, and San Diego, California and the Naval Ordnance Center, Mechanicsburg, Pennsylvania.

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# **THE UNITED STATES NAVY**

## **GUARDIAN OF OUR COUNTRY**

The United States Navy is responsible for maintaining control of the sea and is a ready force on watch at home and overseas, capable of strong action to preserve the peace or of instant offensive action to win in war.

It is upon the maintenance of this control that our country's glorious future depends; the United States Navy exists to make it so.

## **WE SERVE WITH HONOR**

Tradition, valor, and victory are the Navy's heritage from the past. To these may be added dedication, discipline, and vigilance as the watchwords of the present and the future.

At home or on distant stations we serve with pride, confident in the respect of our country, our shipmates, and our families.

Our responsibilities sober us; our adversities strengthen us.

Service to God and Country is our special privilege. We serve with honor.

## **THE FUTURE OF THE NAVY**

The Navy will always employ new weapons, new techniques, and greater power to protect and defend the United States on the sea, under the sea, and in the air.

Now and in the future, control of the sea gives the United States her greatest advantage for the maintenance of peace and for victory in war.

Mobility, surprise, dispersal, and offensive power are the keynotes of the new Navy. The roots of the Navy lie in a strong belief in the future, in continued dedication to our tasks, and in reflection on our heritage from the past.

Never have our opportunities and our responsibilities been greater.

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